

CAESAR

~~INSTRUMENT~~

SCAN CONV. RACK,

~~INSTRUMENT~~
(MON. VIDEO PROCESSING)

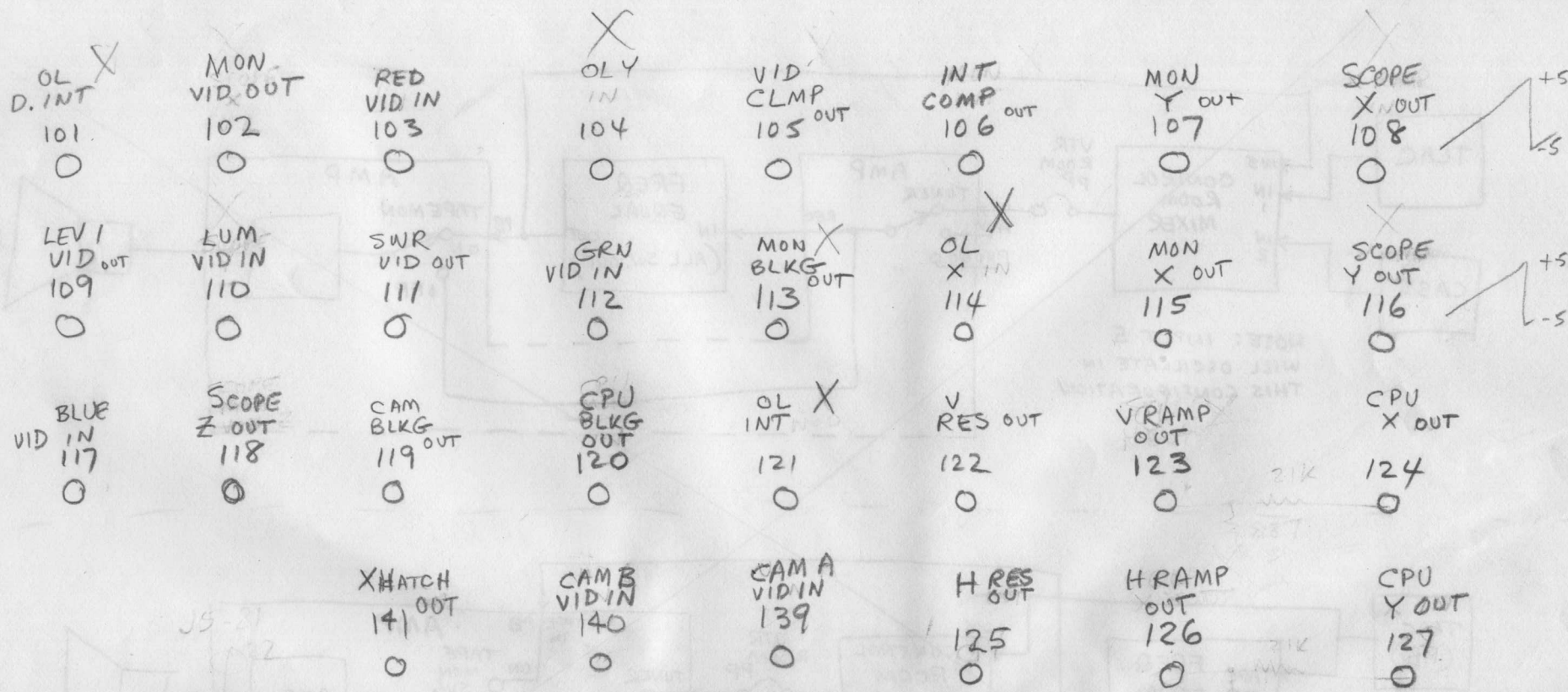
CAESAR

~~INSTRUMENTAL~~

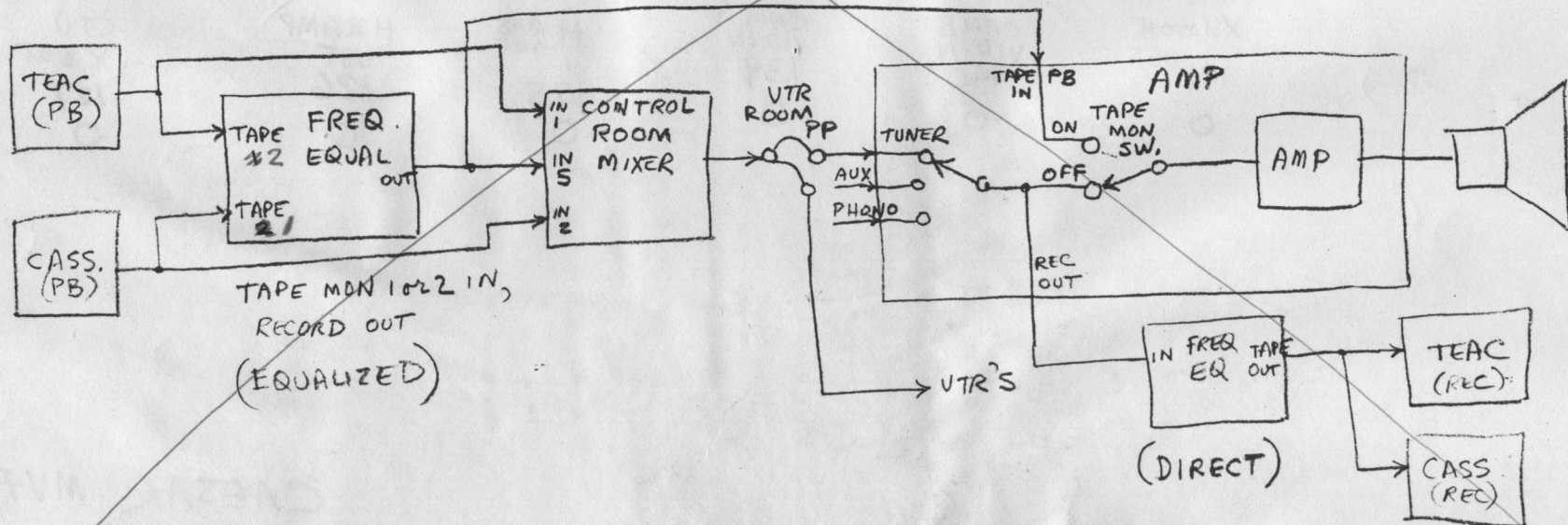
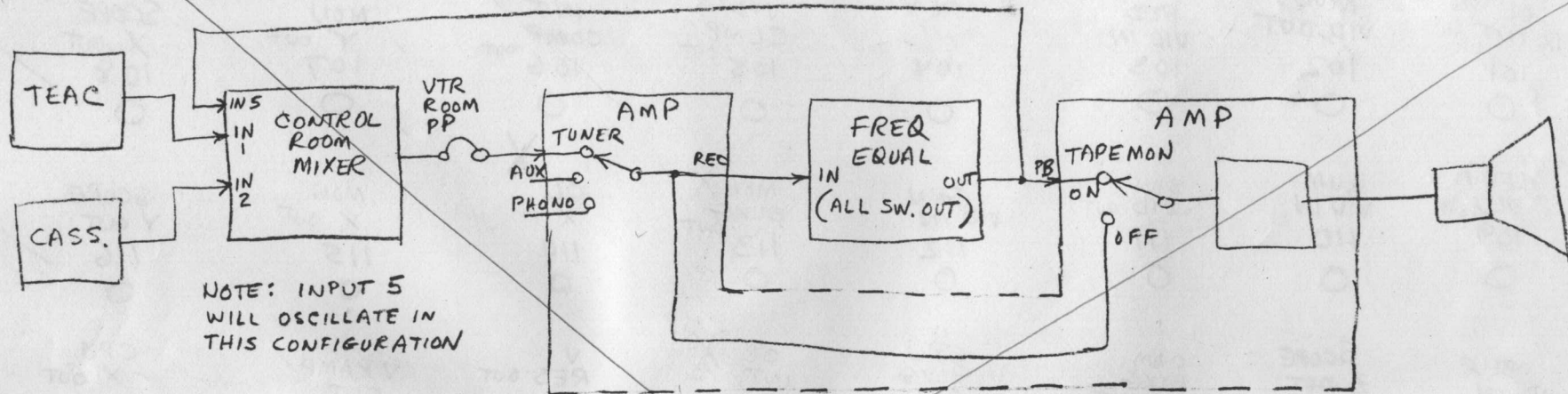
SCAN CONV. RACK,

~~VIDEO~~
(MON. VIDEO PROCESSING)
+ OVERLAP

ALTEMUS



CAESAR MVP
REAR PANEL



STEREO AUDIO SYSTEM
(POSSIBLE CONFIGURATIONS)

CAESAR MVP

J1	5012 M (BB)	—	602 Display attenuators
J2	IC-100(BB)	CVS-127	Mon Pinc Corr.
J3	PCB	SM-113	Ramp Gen.
J4	VECTOR	CVS-128	Mon Yoke Comp.
J5	PCB	VS-101	Input Amps
J6	PCB	VS-100	Video Switch
J7	PCB	VS-102	Video Amp
J8	NOT USED	CVS-1013	
J9	PCB	CVS-114	Grey level Multiplexer
J10	IC-100(BB)	—	MVP Logic
J11	Eyelets	CVS-103	Level Detectors
J12	Eyelets	CVS-111	Grey Level Switches
J13	PCB	CVS-112	(Modified) Video Amp
J14	PCB	CIC-48-1	Video Multiplier
J15	NOT USED	SM-120	

CAESAR

C=COAX
W=WIRE

CPU
J101

MVP
J100

TO

C

D

A

CPU Mon Blanking

J120

J10-5

C

H

B

~~Overlap X Deflect.~~

J114

S10

C

X

C

~~Overlap Y Deflect.~~

J104

S10

← Shorted in cable

C

L

D

Camera Blanking

J119

J10-10

C

E

E

CPU Mon X Deflect.

J124

S10
J1-Z

C

J

F

Vert. Reset

J122

J10-22

C

A

H

Monitor Intensity Comp.

J106

C

K

J

Horiz Reset

J125

J10-4

C

F

K

CPU Mon Y Deflect.

J127

S10
J1-W

C

C

L

~~Overlap Intensity~~ w/o Depth

J121

S10

W

—

M

Spare

W

C

B

N

~~Overlap Intensity~~ w/Depth

J101

S10-X

—

W

P

P

Add Wire

W

R

R

Overlap On-Off

S

—

W

S

S

—

W

T

T

Add Wire

—

W

M

U

Video Source Select +A
0 B

J9-18

Add Wire

—

W

N

V

Spare?

—

W

W

W

Spare

C

—

X

Spare

C

C

Y

Y

Crosshatch

J141

C

Z

Z

Spare

C

AA

AA

Spare

C

BB

BB

Spare

C

CC

CC

Spare

C

DD

DD

Spare

—

UV

UV

Spare

—

VE

VE

Spare

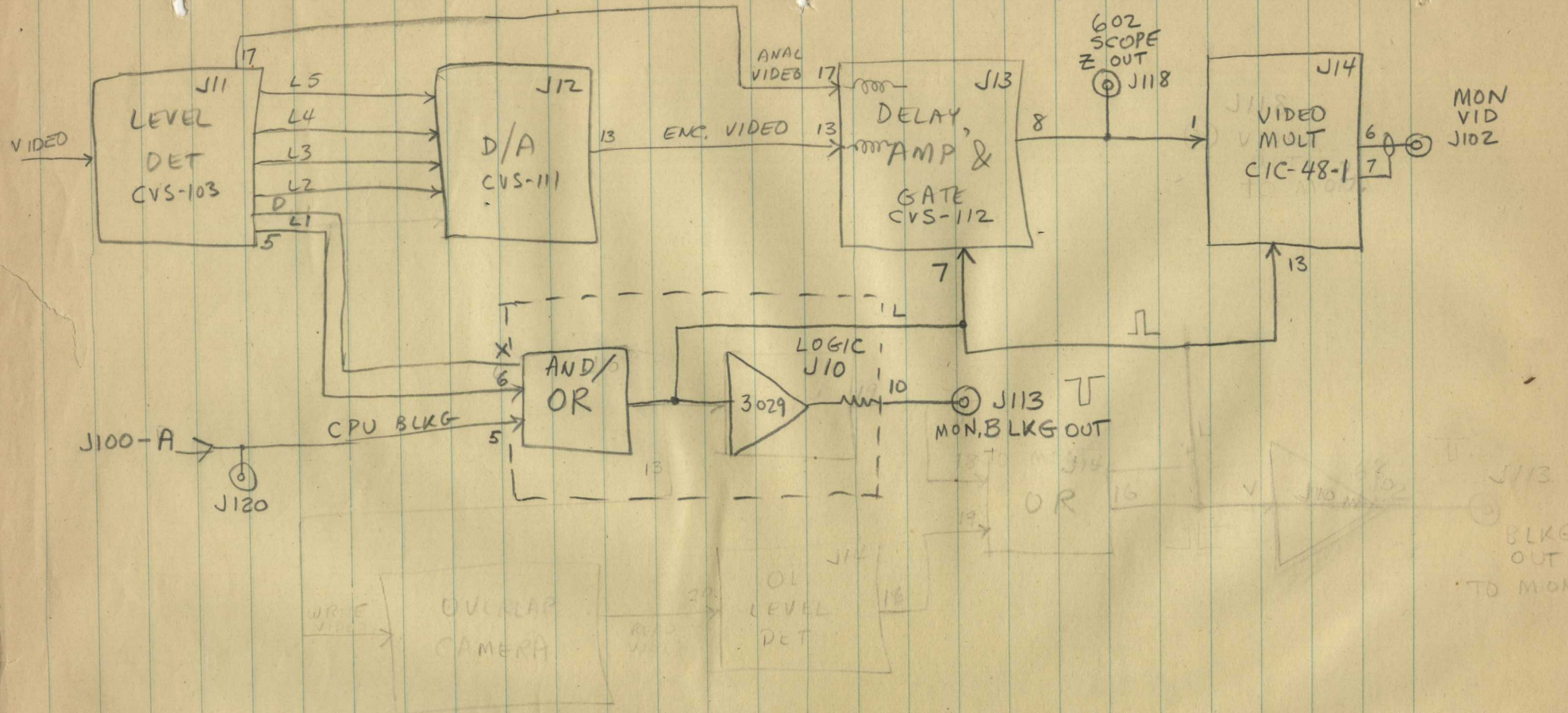
MVP

CAESAR

J100	J1		
N	101	Overlap Intensity w/Depth In	→ S10
	102	Mon Video Out	← J10-11
	103	Red Video In	→ J5-19
C	104	Overlap Y Deflect. In	→ S10
	105	Video Clamp Out	← J10-P
H	106	Mon. Int. Comp. In + Out	
	107	Monitor Y Deflect Out	← J4-17
	108	Scope X Deflect Out	← J1-22
	109	Level 1 Video Out (auto-Sect.)	← J10-20
	110	Lumin Video In Out	→ J5-21
	111	Switched Video Out	← J7-U
	112	Green Video In	→ J5-8
	113	Monitor Blanking Out	← J10-10
B	114	Overlap X Deflect In	→ S10
	115	Monitor X Deflect. Out	← J4-6
	116	Scope Y Deflect Out	← J1-19
	117	Blue Video In	→ J5-6
	118	Scope Z Out	← J13-8
D	119	Camera Blanking In + Out	→ J10-7
A	120	CPU Mon Blanking In + Out	→ J10-5
L	121	Overlap Intensity w/o Depth In	→ S10
F	122	Vert. Reset In + Out	→ J10-22
	123	Vert Ramp Out	← J3-18
E	124	CPU Mon X Deflect In + Out	→ S10 J1-Z
J	125	Horiz. Reset In + Out	→ J10-4
	126	Horiz. Ramp Out	← J3-4
K	127	CPU Mon. Y Deflect. In + Out	→ S10 J1-W

CAESAR

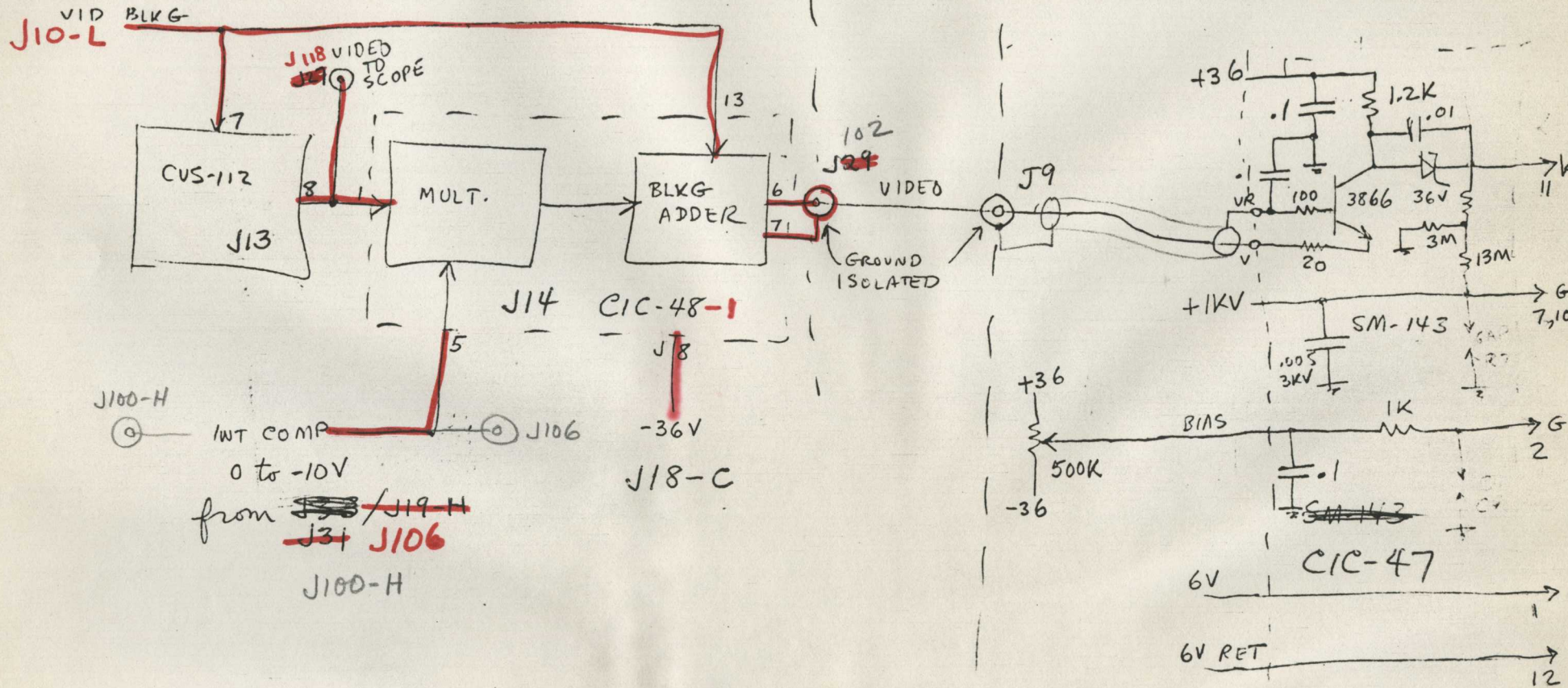
J160	J
	128 Power In
	129 Vert. Reset Out (Front)
	130 Horiz. Reset Out (Front)
	131 R1
	132 R2
	133 R3
	134 R4
	135 R5
	136 R6
	137 R7
	138 R8
	139 Source Video 1 In (A)
	140 Source Video 2 In (B)
Y	141 Crosshatch In + Out
	142 Luma Video In
	143 Chroma Video In
	144 Sync Video In
	145 Composite Video In
	146 Overlap Intensity Out
	147 Overlap Edge Out
	148 Overlap Color Out
	149 Overlap Range Video In



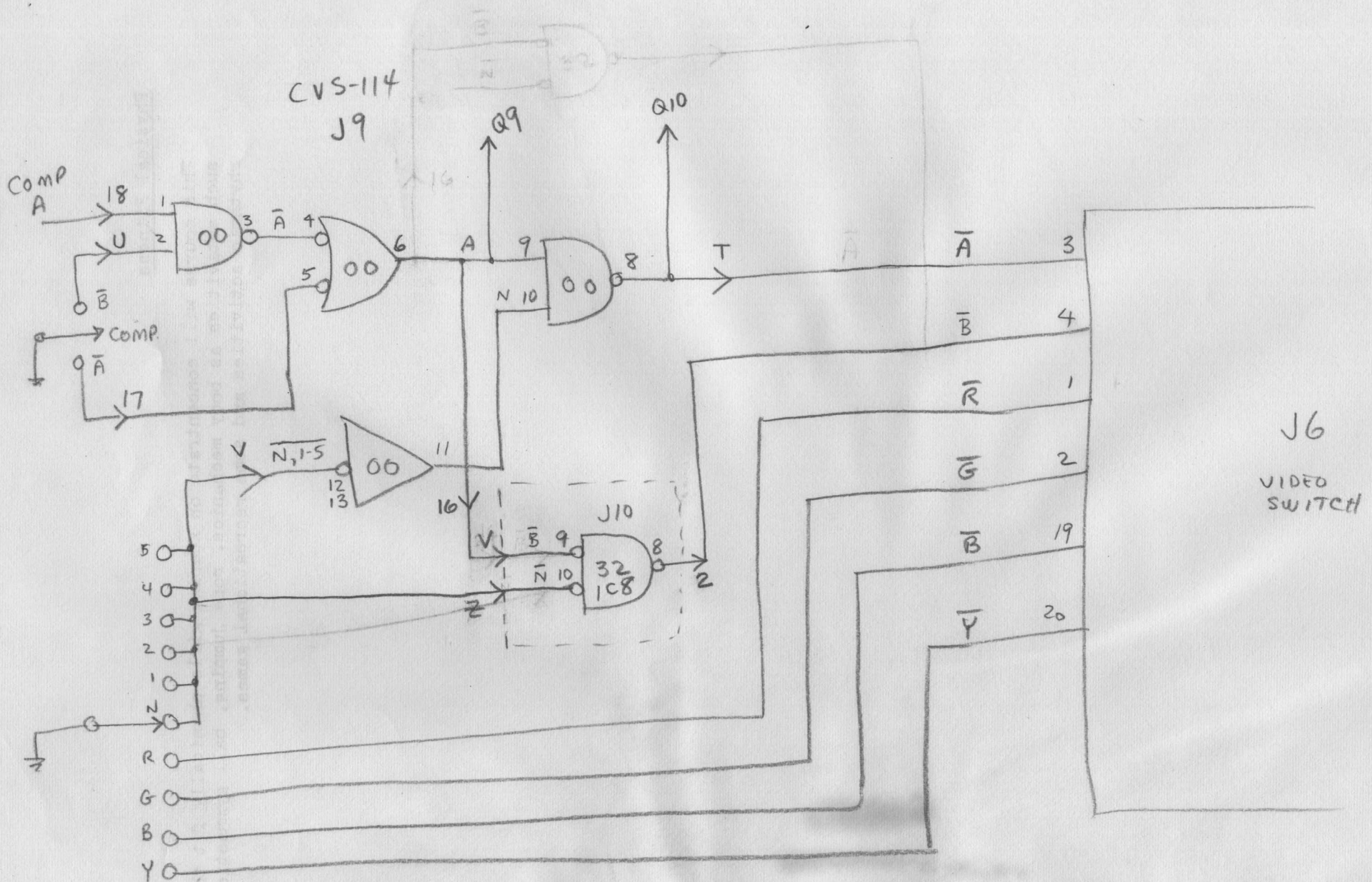
CAESAR MUP

MVP

MONITOR



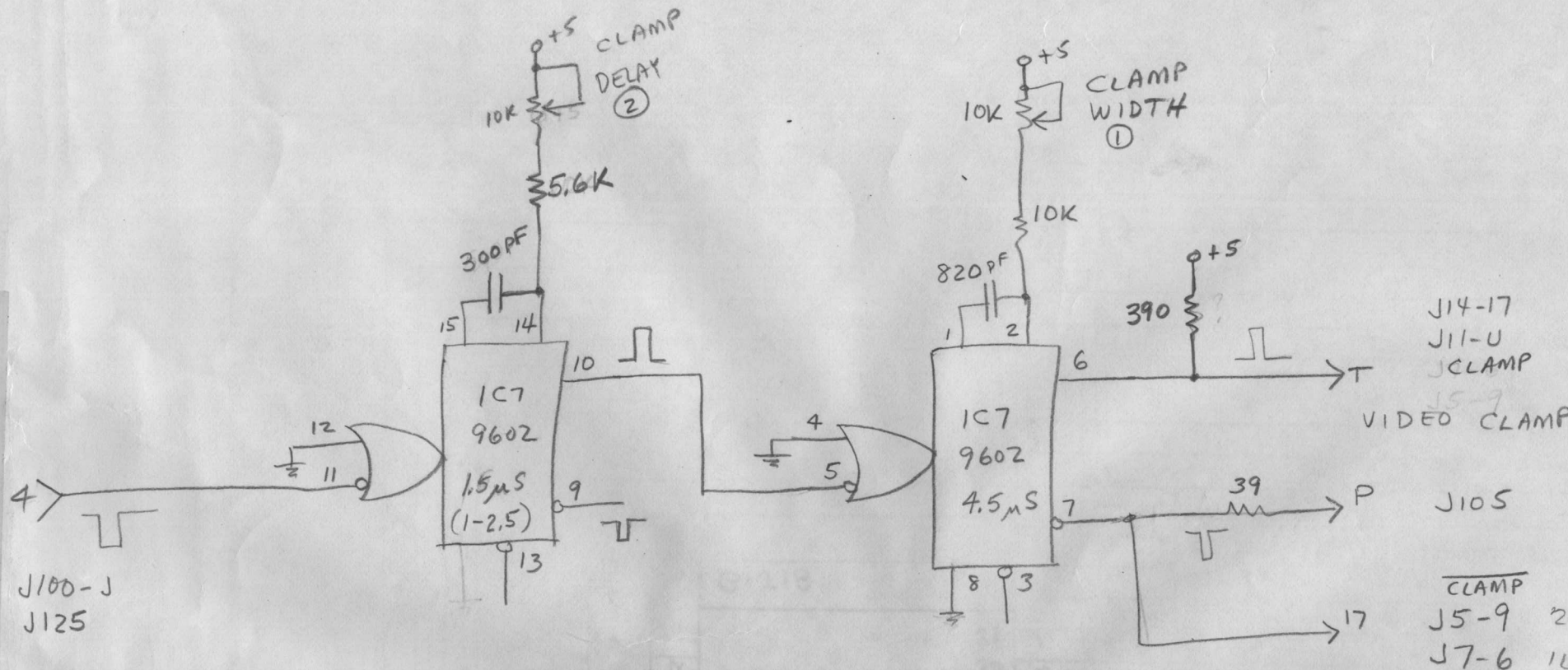
SCANIMATE



CAESAR MVP

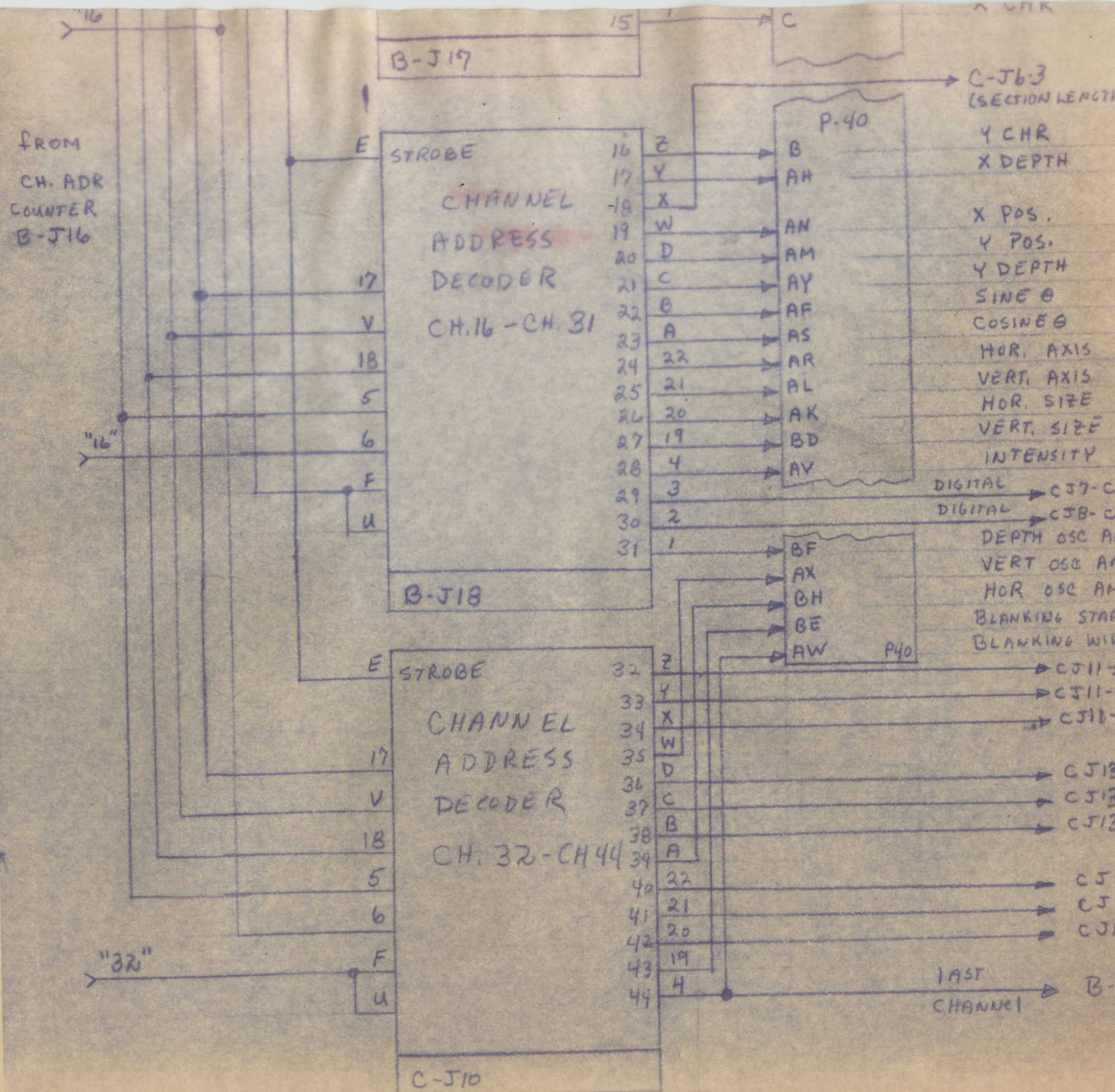
H. RES

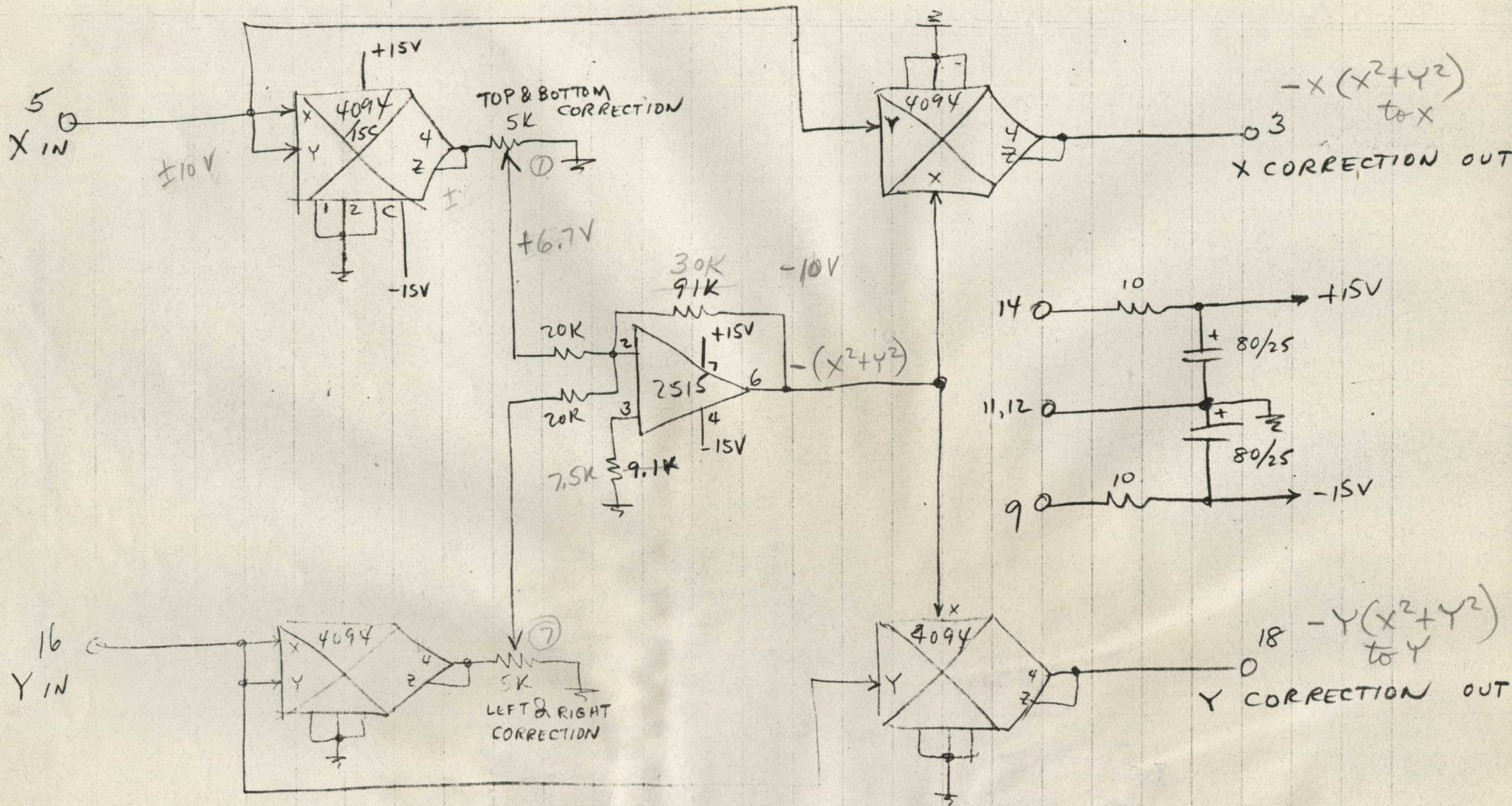
J100-J
J125



CAESAR MVP

J10

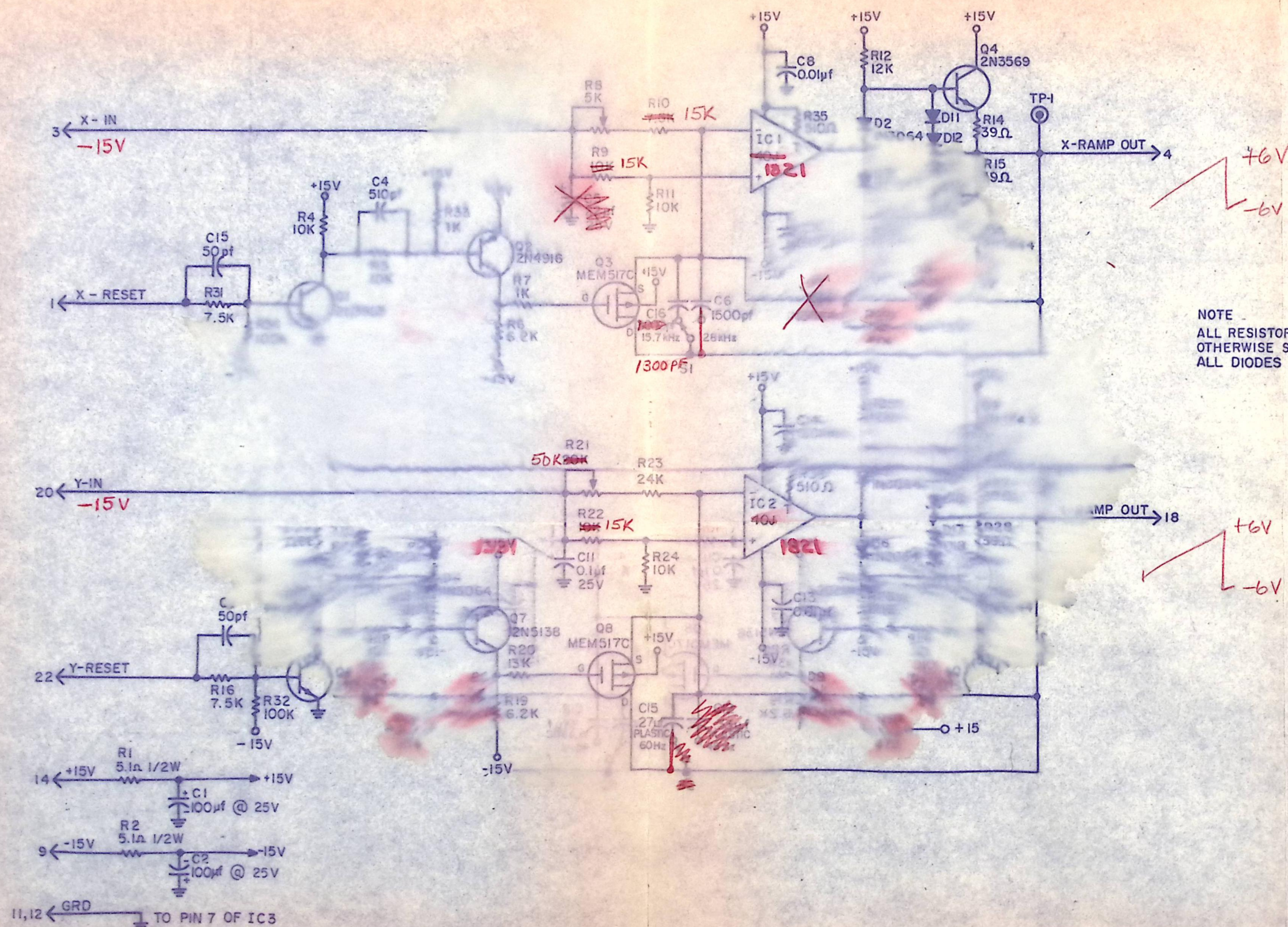




$$\frac{47 \times 91}{138} = 30K$$

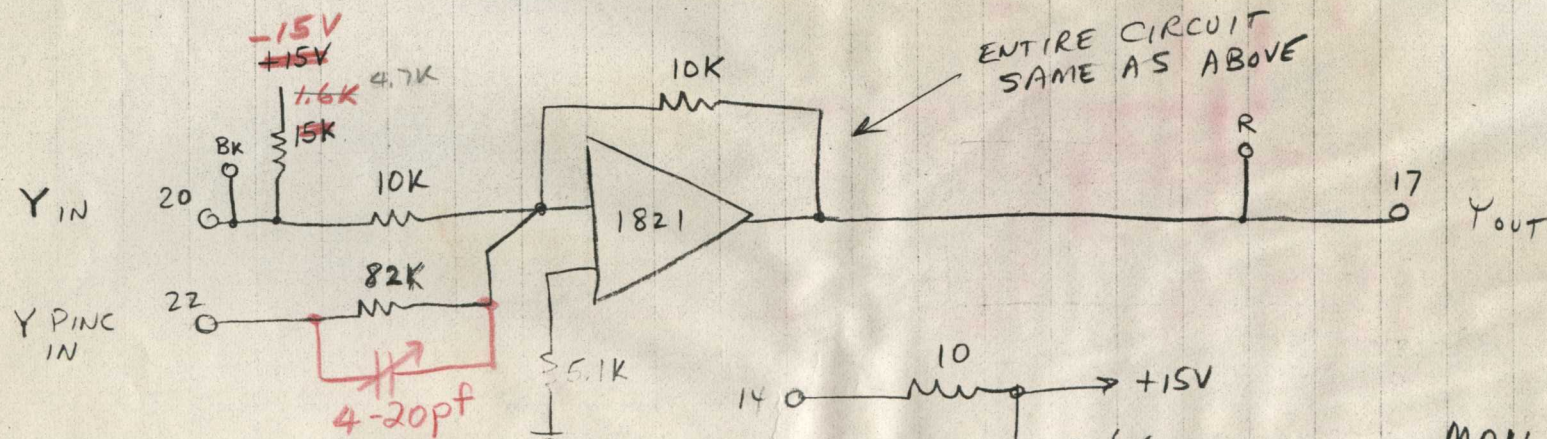
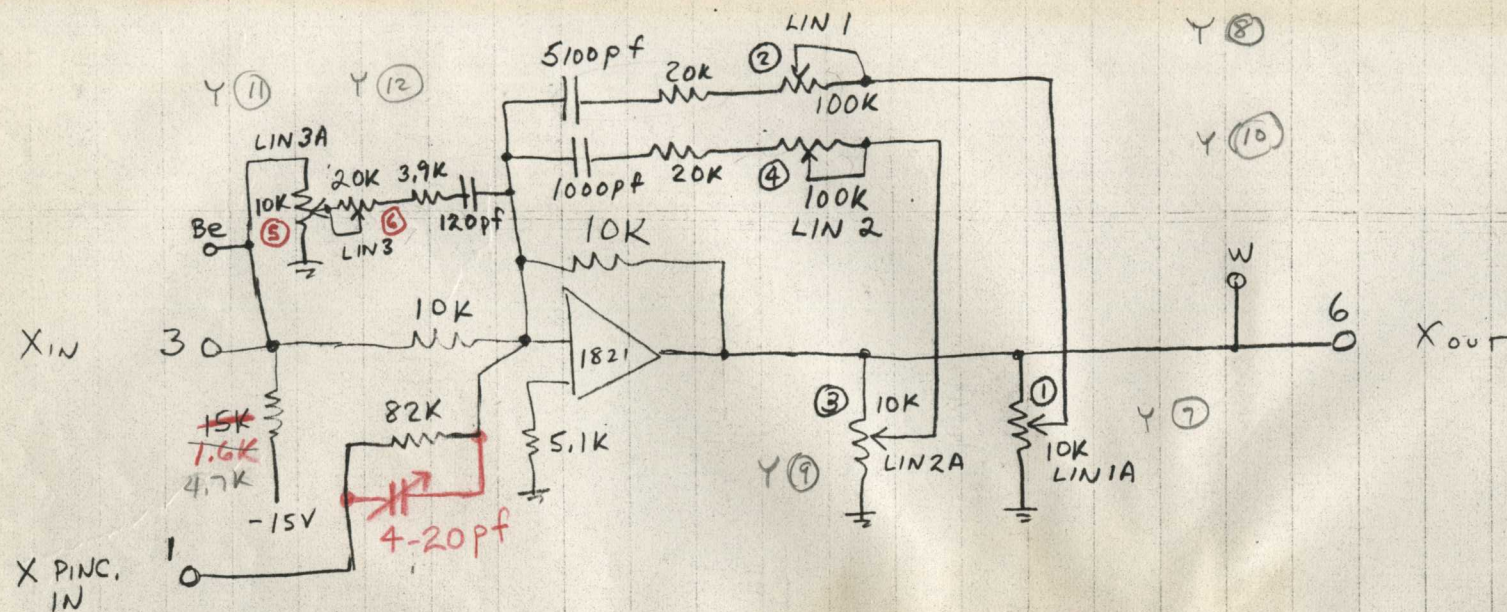
CVS-127 J2 18

MON. PINCUSHION
CORRECTION GENERATOR

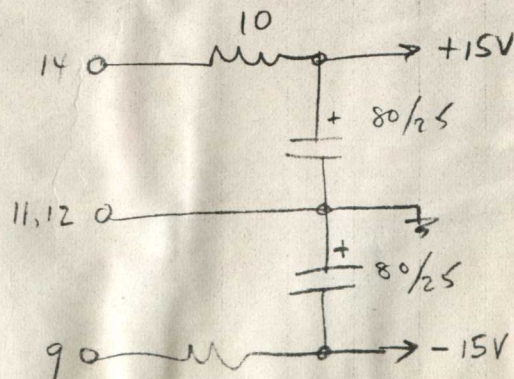


COMPUTER IMAGE CORPORATION		2475 W. 2nd. AVE. DENVER, COLORADO 80223	
SCALE NONE	REVISIONS C	BY D.M.	DATE 6-28-71
DATE 2-2-70			
DESIGN E.R.	CHK'D		
TITLE DUAL RAMP GENERATOR		NO. SM-1130	

CAESAR J3

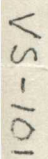
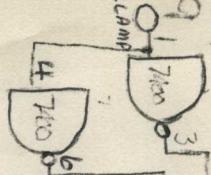


ENTIRE CIRCUIT
SAME AS ABOVE

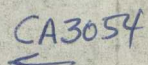


MON. YOKE COMP.
& PINCUSHION ADDER
CVS-128

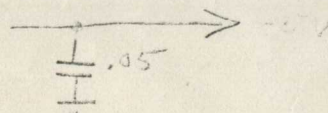
J4



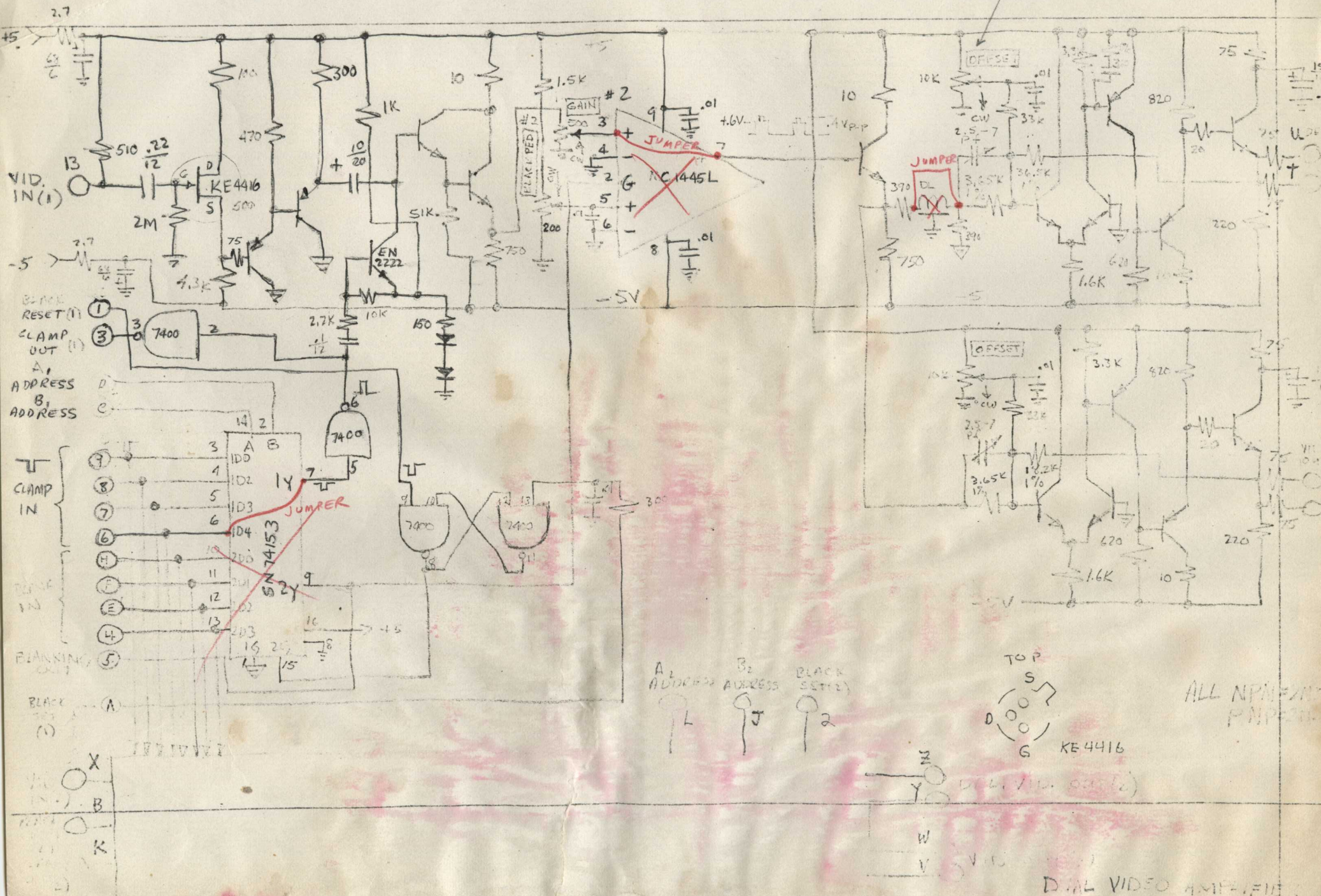
7



VIDEO SWITCH

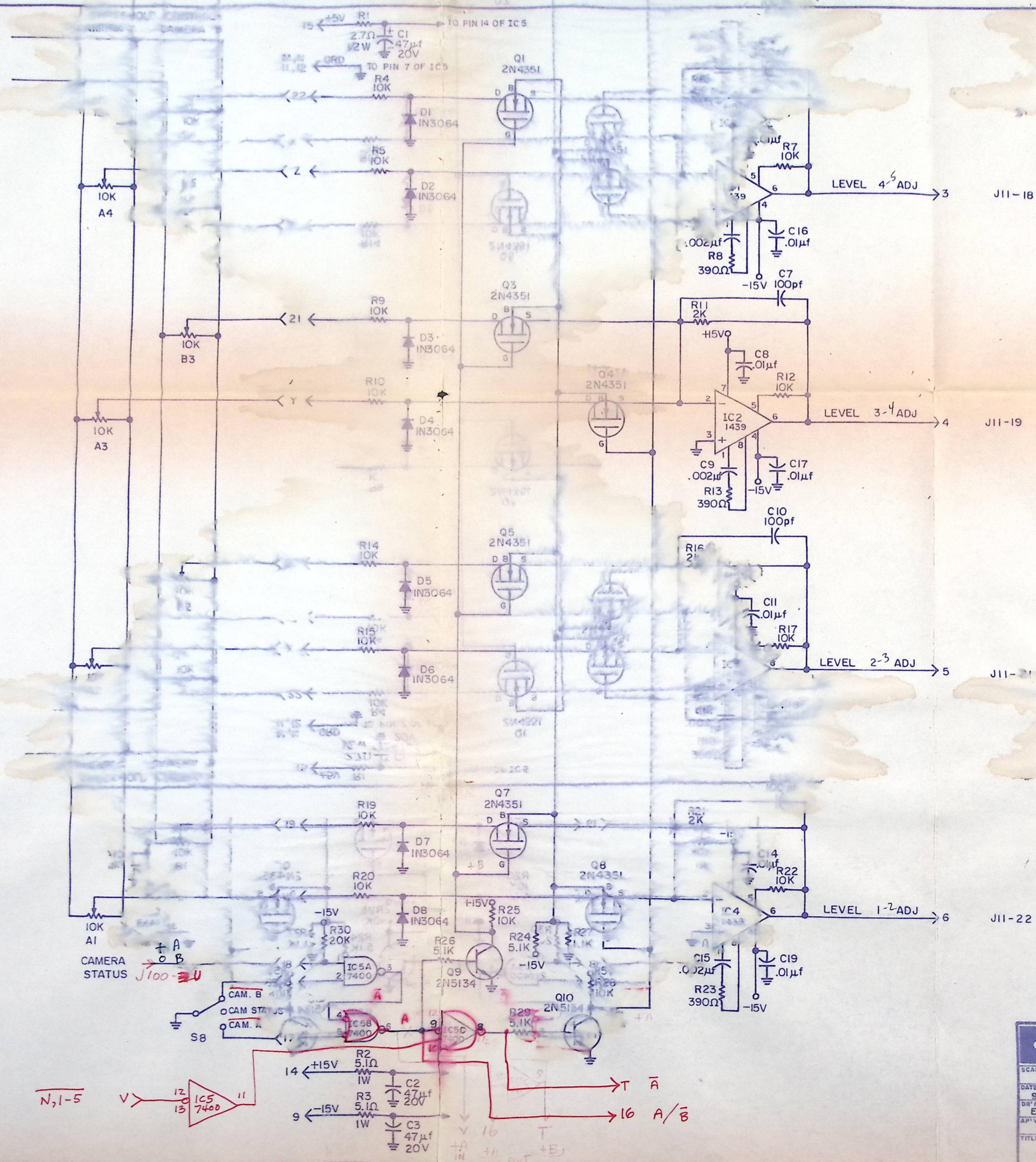


Adjust for blanking at $-.5V$
at output

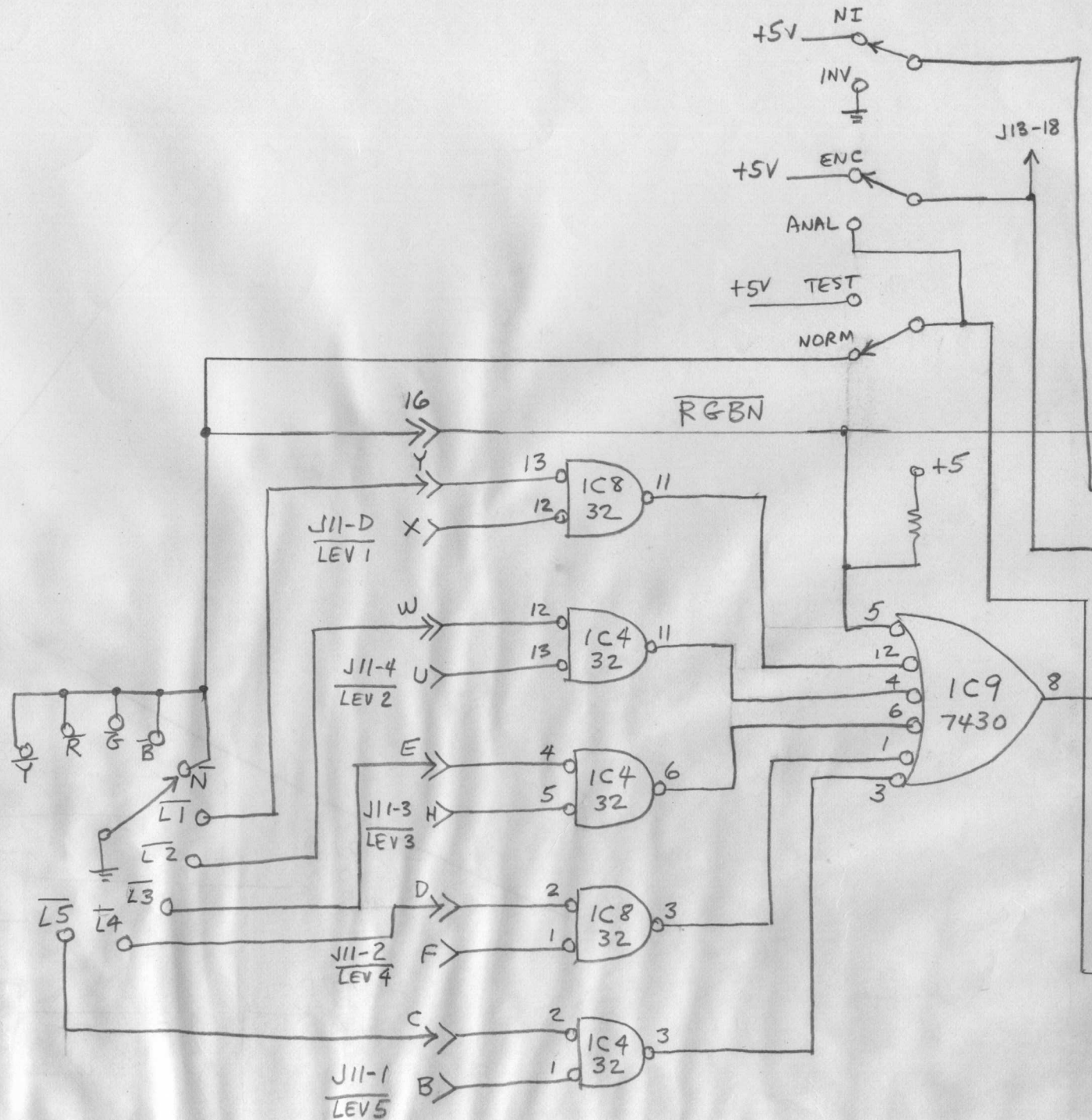


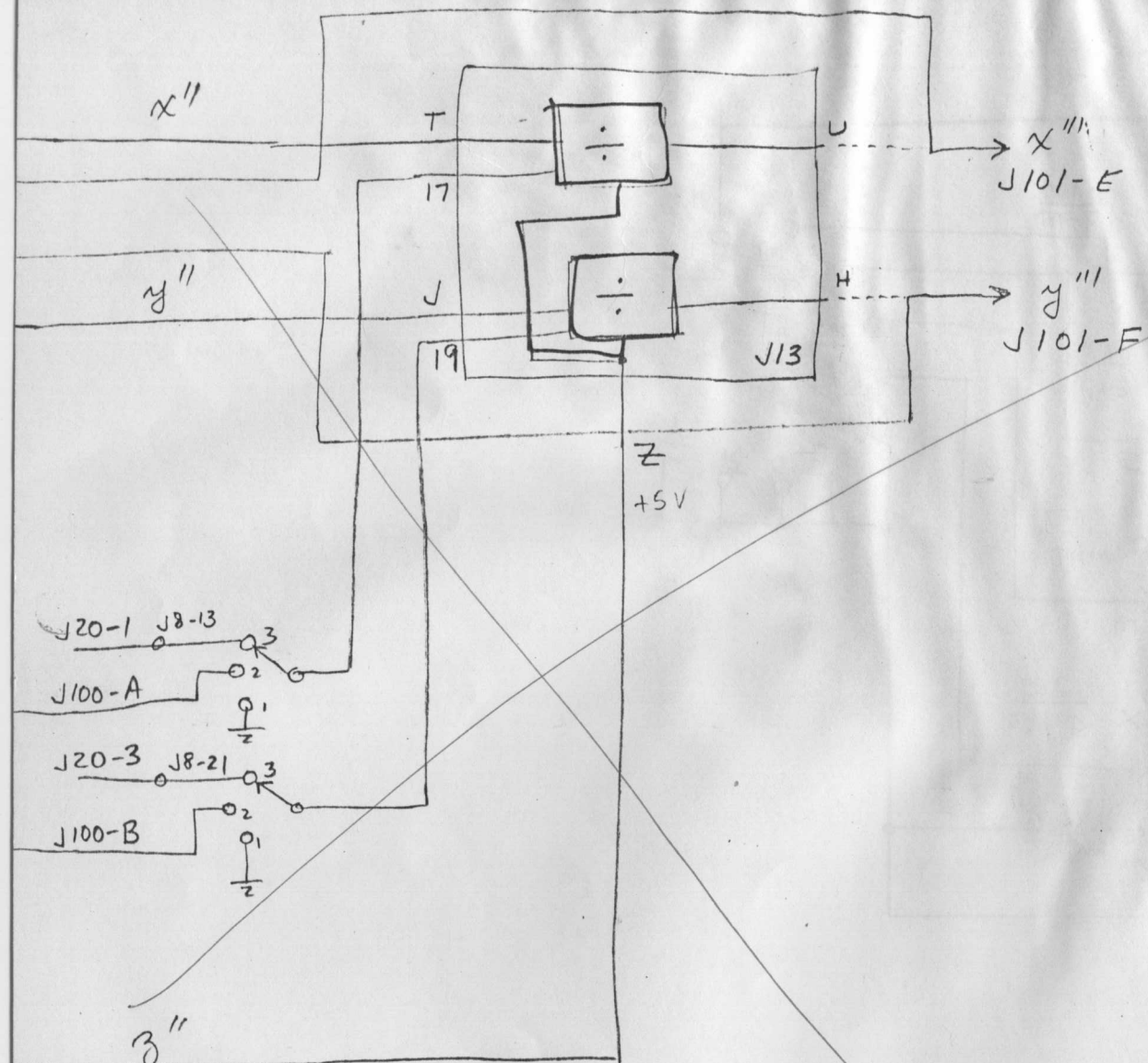
ALL NPMEZM
P NPEZM

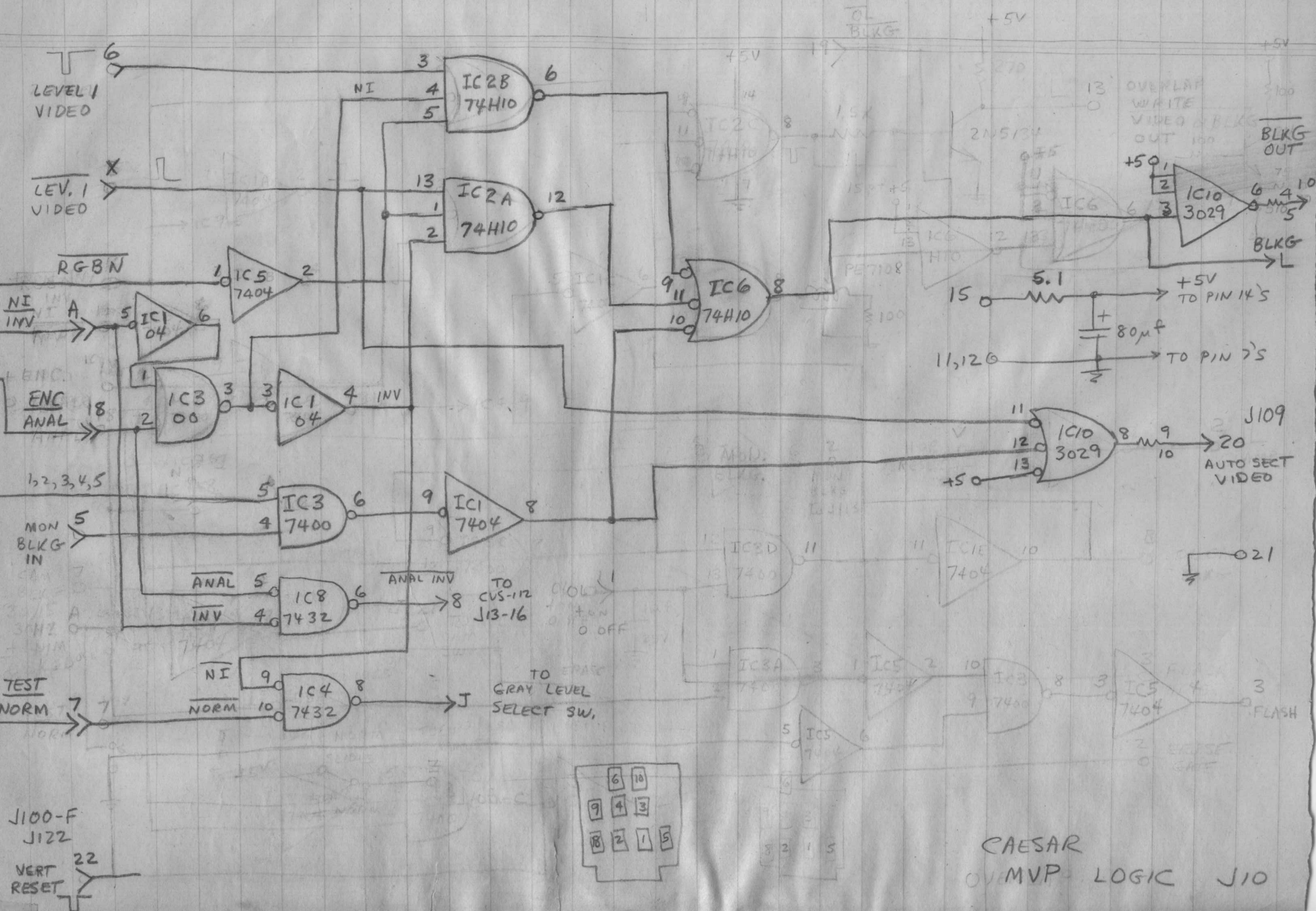
DUAL VIDEO AMPLIFIER
VS 102

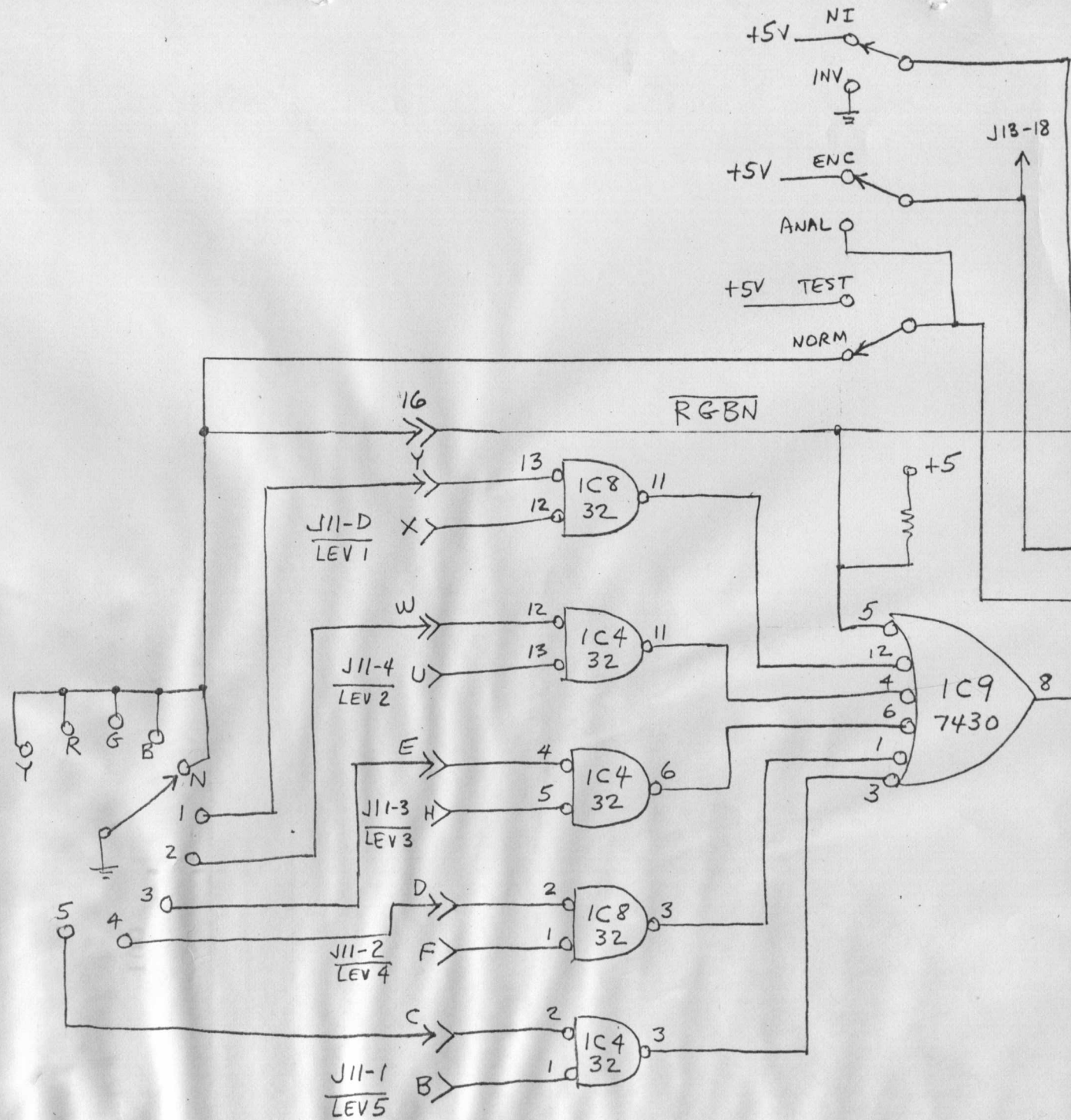


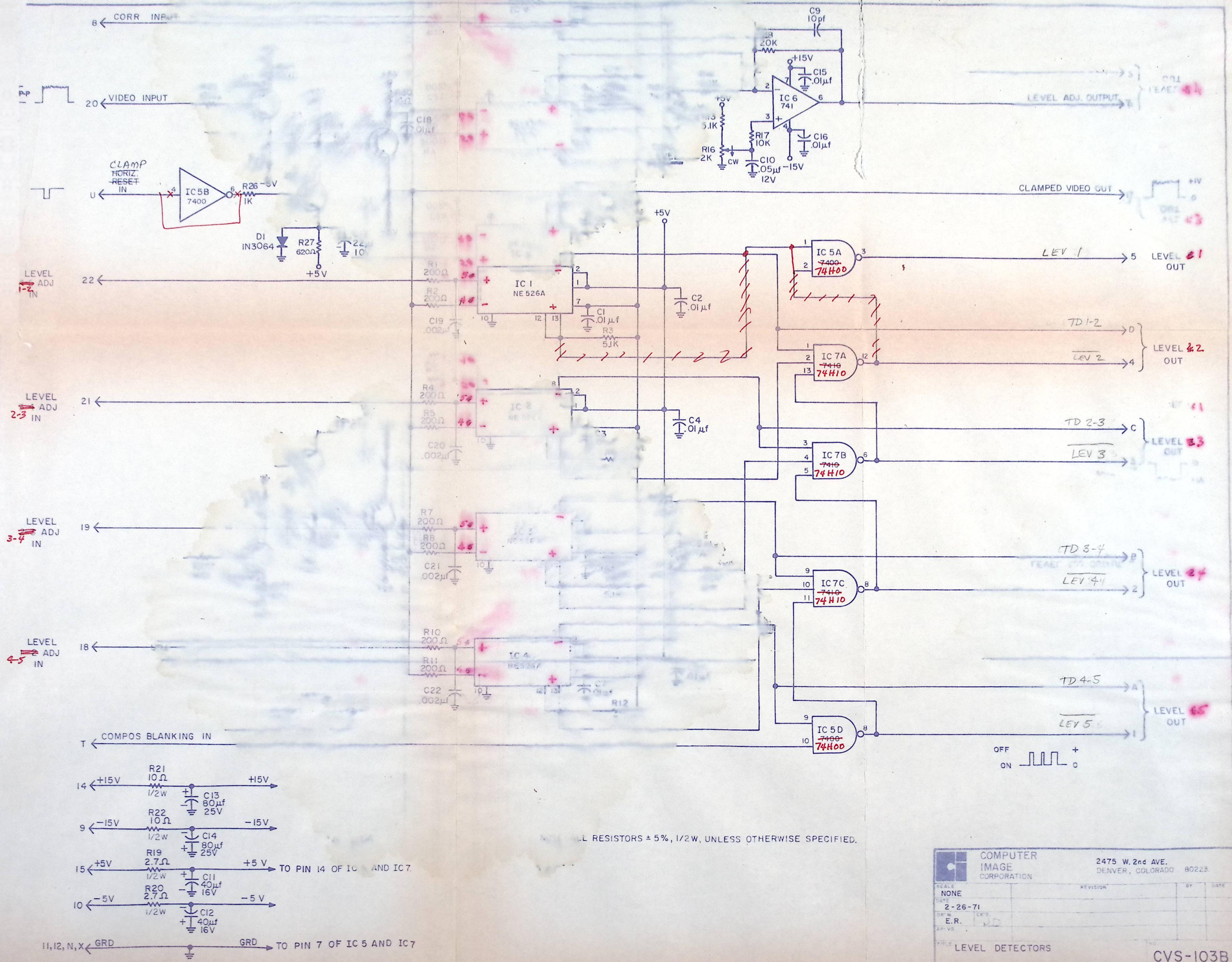
COMPUTER IMAGE CORPORATION		2475 W. 2nd AVE DENVER, COLORADO 80223.	
SCALE	NONE	REVISION	BY
DATE	9-20-71	DR'N	CR'D.
TITLE GRAY LEVEL MULTIPLEXER		NO. CVS-114	





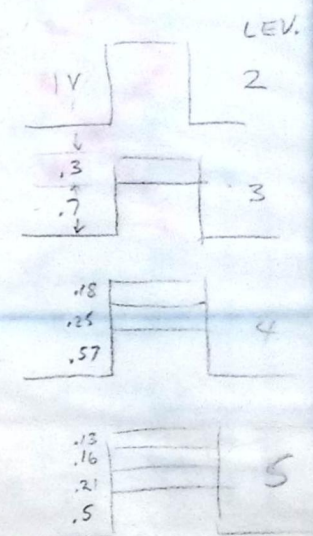




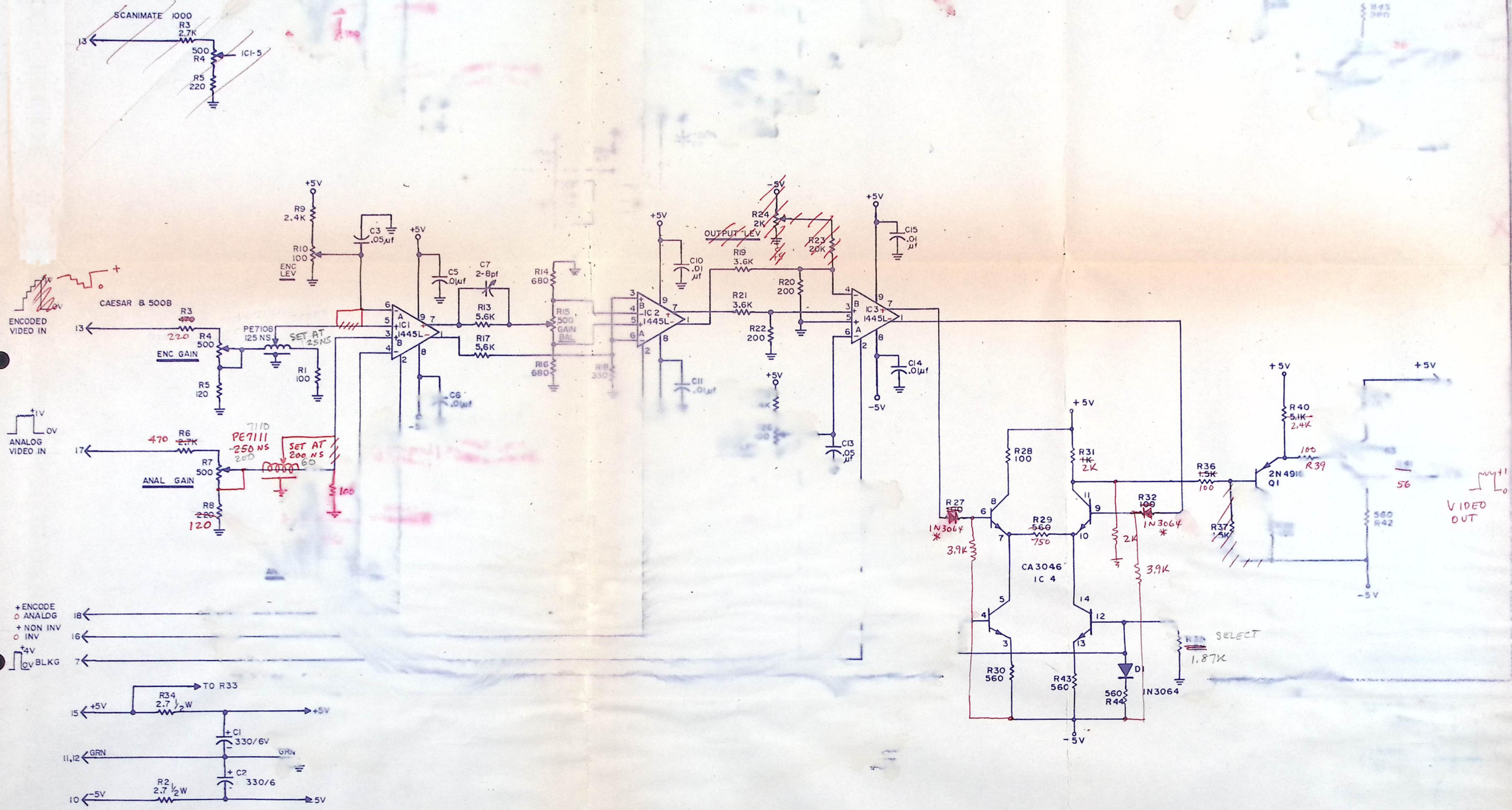


COMPUTER IMAGE CORPORATION		2475 W. 2nd AVE. DENVER, COLORADO 80223	
SCALE NONE	REVISION	BY	DATE
DATE 2-26-71			
DRN E.R.	CRD J.D.		
TITLE LEVEL DETECTORS		CVS-103B	

CAESAR J11



512



* MATCH DIODES V_F @ 1.3 ma

CAESAR
J13 MVP

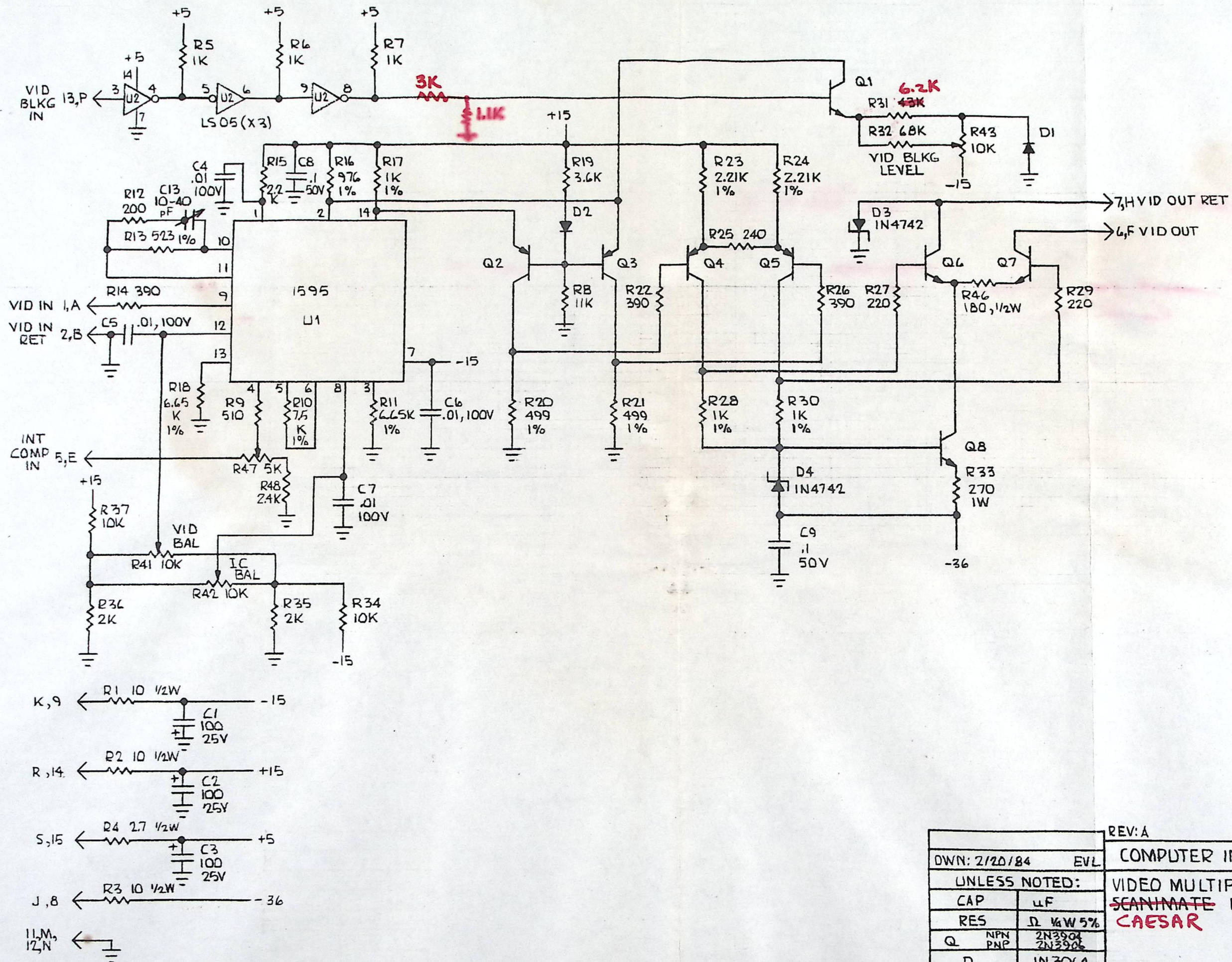
		2475 W. 2nd AVE. DENVER, COLORADO 80223.	
SCALE	NONE	REVISIONS	BY
DATE	11/20/75	REV "B"	DM
DRN	ADM	CKD	
APVE			
TITLE GRAY LEVEL ENCODER VIDEO AMPS		CVS-112-B	

CAESAR

Monitor Video Processor

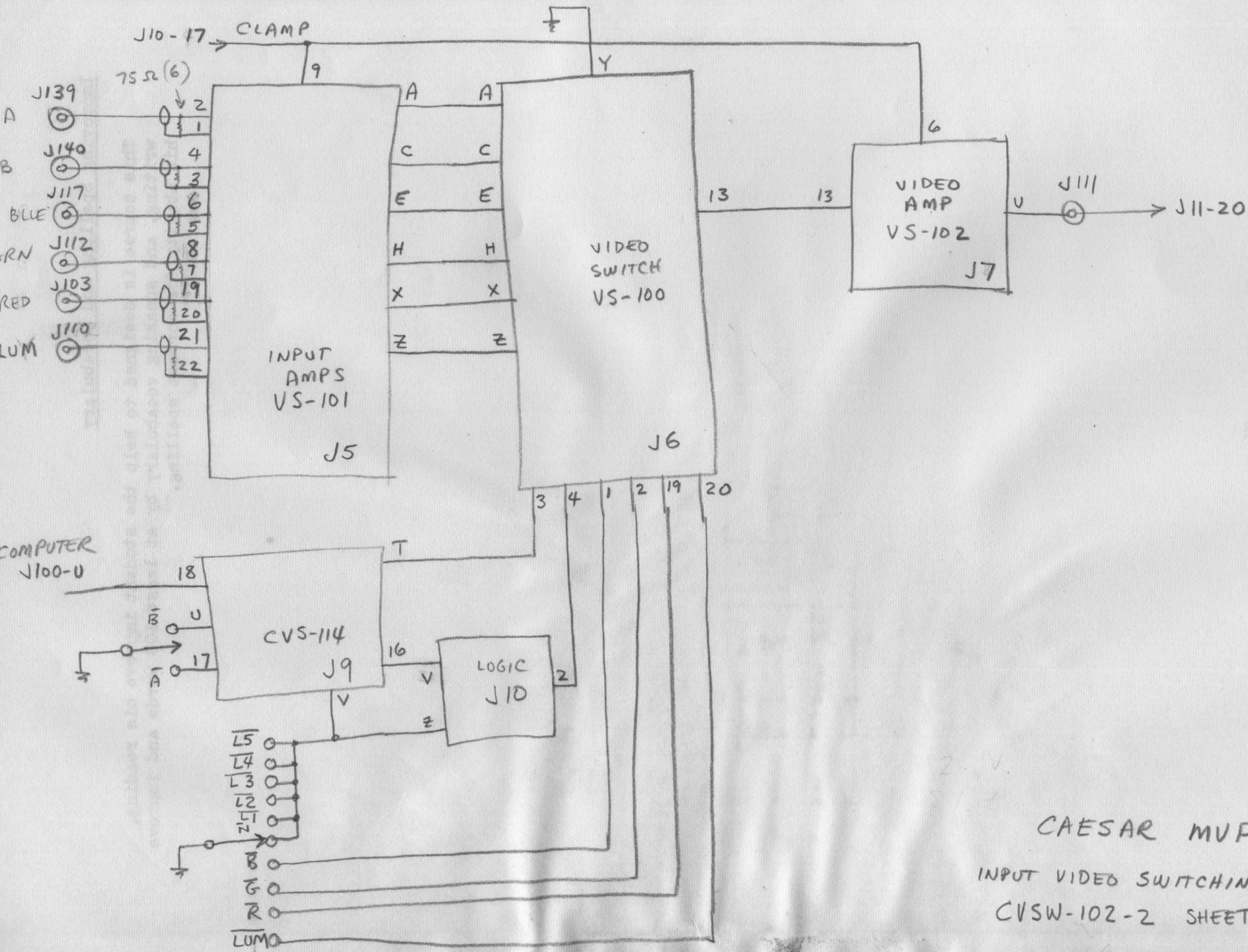
CVS-112B Adjustments

1. Have 5 level artwork video, and use System Monitor to look at video.
2. Set switches to LEVEL SELECT 1, NORMAL. Adjust GAIN BAL for same gain in INVERT as NON-INVERT.
- ~~3.4.~~ Set switch to LEVEL SELECT 2. Adjust ENC. LEVEL for ~~same white~~ *1V p-p from blanking to white level.*
~~level in TEST and INVERT as NORMAL and NON-INVERT.~~
- ~~4.3.~~ Adjust BLANKING LEVEL for ~~0.3V~~ level during blanking.
5. Set switches to LEVEL SELECT 5, NORMAL, NON-INVERT. ~~Adjust OUTPUT LEVEL for 1V p-p from blanking to white. At the same time adjust ENC. GAIN for best spacing of all levels out of Scan Converter Camera. Go back and forth between these two. (Be sure the Monitor Intensity (CRT Bias) is set for best intensity compensation)~~
- ~~6.~~ ~~Repeat steps 3 and 5.~~
- ~~7.~~ Set switches to LEVEL SELECT 1. Adjust ANAL. GAIN and ANAL LEVEL for video out of MVP to be the same as camera video input at J20 or J21.



OWN: 2/20/84		REV: A	
UNLESS NOTED:		COMPUTER IMAGE CORP	
CAP	uF	VIDEO MULTIPLIER	SH 1 OF 1
RES	Ω 1/4W 5%	SCANIMATE MVP	
Q	NPN PNP	2N3904	
D		1N3064	

J14



CAESAR MVP

INPUT VIDEO SWITCHING
CVSW-102-2 SHEET 2

